



# ELECTRICAL CURRENTS

Newsletter from the Office of the Chief Electrical Inspector

Ron Fuller, Chief Electrical Inspector

Vol. 8 No. 10

October 2005

## ● Interim Rule Revisions Will Be Effective November 25, 2005

The revisions can be viewed at:

<http://www.lni.wa.gov/TradesLicensing/Electrical/LawRulePol/RuleDev/>.

No changes were made as a result of the public hearing held on September 27<sup>th</sup>. Electrical contractors and electricians should review the rule changes that will be effective on November 25<sup>th</sup>. There are substantial additions to what will be exempt from permitting/inspection. There are also many more categories of electrical work that will be allowed to use a Class B (\$10) permit and random inspection. Some line voltage and most low voltage installations will qualify for the reduced \$10 Class B permit.

## ● Join the Listserv

The Electrical Listserv (*Electrical Program Updates*) is available to everyone with an interest in the electrical industry and the activities of the Electrical Program and Electrical Board. The "Listserv" is the best way to keep current with changes to the electrical requirements in Washington. "Listserv" members receive up to date information via E-mail links and a copy of the monthly *ELECTRICAL CURRENTS* newsletter. The list serve currently has 3,227 informed users. Members may opt out of the "Listserv" at any time. You may join the "Listserv" (Link: "Get E-mail updates") at our Website.

<http://www.lni.wa.gov/TradesLicensing/Electrical/default.asp>

## ● Ground Rods

Electricians are still cutting off ground rods. The NEC is very specific in the requirement that *"rod and pipe electrodes shall not be less than 8 ft (2.44 m) in length."*

RCW 19.28.111 states: *"It is unlawful for any person, firm, partnership, corporation, or other entity to install or maintain any electrical wiring, appliances, devices, or equipment not in accordance with this chapter."* Cutting off a ground rod is a willful violation of this statute and Electrical Administrators and installers are subject to non-compliance citations for such actions.

NEC 250.53(G) requires that rod and pipe electrodes *"be installed such that at least 2.44 m (8 ft) of length is in contact with the soil. It shall be driven to a depth of not less than 2.44 m (8 ft) except that, where rock bottom is encountered, the electrode shall be driven at an oblique angle not to exceed 45 degrees from the vertical or, where rock bottom is encountered at an angle up to 45 degrees, the electrode shall be permitted to be buried in a trench that is at least 750 mm (30 in.) deep. The upper end of the electrode shall be flush with or below ground level unless the aboveground end and the grounding electrode conductor attachment are protected against physical damage as specified in 250.10."*

All ground rods must be driven to an 8' depth. If the rod **cannot be driven** then it needs to be driven at a 45 degree angle. If that cannot be done, then the ground rod needs to be installed in the bottom of a trench that is not less than 30 inches deep.

The use of short ground rods is considered a serious and gross code violation, and the installer will be subject to citations and possible suspension.

## ● No Screws Through Box

Save yourself the time and expense of a return trip to your jobsite to fix electrical corrections. Our inspectors would like to avoid a re-inspection trip as well. Contractors and installers need to be aware that NEC 314.43 has specific requirements for securing and supporting nonmetallic boxes.

Provisions for support of nonmetallic boxes must be outside of the box, or the box must be constructed to prevent the accidental contact of the conductors in the box and the mounting screws. Manufacturers must construct boxes to these requirements. Installers cannot field modify a nonmetallic box in a difficult mounting situation and drill holes in the sidewalls, ends, or back to secure it with screws from the inside.

## ● TIA For Swimming Pools Equipotential Bonding Grid

The NFPA has issued a Tentative Interim Agreement (TIA) on NEC Article 680.26(C) and 680.26(C) (1) with an effective date of August 18, 2005.

A Tentative Interim Agreement is tentative because it has not been processed through the entire standards-making procedures. It is interim because it is effective only between editions of the standard. A TIA automatically becomes a proposal of the proponent for the next edition of the standard; as such, it then is subject to all of the procedures of the standards making process. NEC Article 680.26(C) and 680.26(C) (1) has been revised as follows:

**(C) Equipotential Bonding Grid.** The parts specified in NEC 680.21(B) shall be connected to an Equipotential bonding grid with a solid copper conductor, insulated, covered or bare not smaller than 8 AWG or rigid metal conduit of brass or other identified corrosion resistant metal conduit. Connection shall be made by exothermic welding or by listed pressure connectors or clamps that are labeled for being suitable for the purpose and are of stainless steel, brass, copper, or copper alloy. The Equipotential bonding grid shall conform to the contours of the pool and shall extend within or under paved walking surfaces for 1 m (3 ft) horizontally beyond the inside walls of the pool and shall be permitted to be any of the following: ***Exception:** The Equipotential bonding grid shall not be required to be installed under the bottom of or vertically along the walls of vinyl lined polymer wall, fiberglass composite or other pools constructed of nonconductive materials. Any metal parts of the pool, including metal structural supports, shall be bonded in accordance with 680.26(B). For the purposes of this section, poured concrete, pneumatically applied (sprayed) concrete, and concrete block, with painted or plastered coatings, shall be considered conductive material.*

(1) Structural Reinforcing Steel. *“The structural reinforcing steel of a concrete pool or deck where the reinforcing rods are bonded together by the usual steel tie wires or the equivalent. Where deck reinforcing steel is not an integral part of the pool, the deck reinforcing steel shall be bonded to other parts of the bonding grid using a minimum 8 AWG solid copper conductor. Connection shall be per 280.26(D).”*

The 2005 NEC may imply that any pool without conductive structural reinforcing steel covering the contours of the pool is required to comply with NEC 680.26(C)(3). This would require an expensive alternate grid fabricated of 8 AWG bare solid copper conductors. The Tentative Interim Agreement was issued because there is no technical basis for having a bonding grid below the contours of a non-conductive pool.

## ● Non-Power Limited Fire Alarm Circuits – No AFCI Or GFCI Protection

NEC 760.21 was revised for the 2005 code. It prohibits supplying a non-power limited fire alarm circuit through a ground fault circuit interrupter or an arc fault circuit interrupter. The intent was to supply NPLFA circuits through a source that is not subject to interruption.

This requirement **does not apply** to single or multiple station smoke alarms. These alarms are not supplied through a non-power limited fire alarm circuit. Smoke alarms in new construction are required by NFPA 72, *National Fire Alarm Code*, to have a back-up battery. In the event that a power outage occurs due to the operation of the AFCI or GFCI or for any other reason, the battery back up will supply power.

## ● Natural and Artificially Made Bodies of Water

2005 NEC Article 682 is a **new** article covering bodies of water not covered by other articles in the code. Natural bodies of water would be areas such as lakes, ponds, rivers, streams and other naturally occurring bodies of water. Areas such as: aeration ponds, fish farm ponds, storm retention basins, treatment ponds and irrigation (channel) facilities are considered artificially made bodies of water.

Electrical equipment such as pumps, luminaires and their associated supply wiring are frequently installed in these areas. The new requirements are designed to minimize the shock hazards inherent in those wet and damp locations. Safety concepts contained in NEC articles 553, 555, 590 and 680 provided the foundation for article 682.

Article 682.15 states that: *“Fifteen- and 20-ampere single-phase, 125-volt through 250-volt receptacles installed outdoors and in or on floating buildings or structures within the electrical datum plane area that are used for storage, maintenance, or repair where portable electric hand tools, electrical diagnostic equipment, or portable lighting equipment are to be used shall be provided with GFCI protection. The*

Electrical Section Internet Address: [www.Lni.wa.gov/TradesLicensing/electrical](http://www.Lni.wa.gov/TradesLicensing/electrical) Page 2 of 8

*GFCI protection device shall be located not less than 300 mm (12 in.) above the established electrical datum plane."*

The definition of electrical datum plane encompasses areas subject to tidal movement and areas in which the water level is affected by conditions such as climate (rain or snowfall) or by human intervention (the opening or closing of dams or floodgates). In either case, the term covers the normal highest water level, such as high tides. The term does not cover extremes due to natural or manmade disasters.

### ● Electrical Question of the Month

**This Month's Question:** The job site portion of the label for a Class B installation must include: **A)** Building owner's name, **B)** The job site address, **C)** Date of the work, **D)** Contact telephone number.

**Last Month's Question:** The minimum size conductor required to connect metal parts of a swimming pool to a common bonding grid shall not be smaller than: **A)** 6 AWG, solid copper, **B)** 6 AWG, stranded copper, **C)** 8 AWG, solid copper, **D)** 8 AWG, stranded copper. The answer is: **C)** [NEC 680.26(C)].

### Final Judgments of Electrical Laws For the 2<sup>nd</sup> Quarter of 2005

Violator	Penalty
<b>Violation – No Electrical Contractor's License</b>	
<b>Region 1 – North Puget Sound</b>	
ASH ENTERPRISES, 23RD AVE WEST, BRADENTON FL	\$ 500
BROCKHAUS, DOUGLAS ALAN, 181ST AVE SE, SNOHOMISH WA	\$ 500
CHERRY VALLEY HEATING/COOLING, PO BOX, DUVALL WA	\$ 500
DALTON, JAMES LEE, 176TH ST NE, ARLINGTON WA	\$ 500
DELTA CONSTRUCTION GROUP LLC, 172ND ST NE, ARLINGTON WA	\$ 500
DICKS HEATING & A/C INC, 45TH ST E, SUMNER WA	\$ 500
ELITE REMODELING & CONST INC, PO BOX, MONROE WA	\$ 500
GRIPP, PAUL, S 4TH AVE, EVERETT WA	\$ 4000
J CAT CONSTRUCTION, LOVES HILL DR, SULTAN WA	\$ 500
L WIBBLEMAN COMPANY, 132ND ST, SNOHOMISH WA	\$ 500
MARTEL WELL DRILLING, PO BOX, FRIDAY HARBOR WA	\$ 500
R A CONSTRUCTION INC, SUTTON DRIVE, EVERSON WA	\$ 500
RAMPART ENGINEERING, 84TH ST NE, MARYSVILLE WA	\$ 500
REED, HERBERT E, PHINNEY AVE N, SEATTLE WA	\$ 500
SIMONSON, JEFFREY A, NE 12TH, BELLEVUE WA	\$ 500
SMITH, JAMES R, HWY 9, MOUNT VERNON WA	\$ 500
TOTAL COMFORT, 147TH ST SE, MONROE WA	\$ 500
TOUBY, MIKE, 53RD DR NE, MARYSVILLE WA	\$ 500
WEBB, BRIAN, 44TH AVE NW, STANWOOD WA	\$ 500
WHITE, BRYCE L, PO BOX, STARTUP WA	\$ 500
<b>Region 2 – King County</b>	
ABDON, FELIX E, 47TH AVE E, FIFE WA	\$ 500
BAYNE CONSTRUCTION SERVICES, 440TH PL SE, NORTH BEND WA	\$ 500
CURTIS LANG CUSTOM HOMES INC, SE 218TH ST, MAPLE VALLEY WA	\$ 500
GEARY, JUSTIN THOMAS, 71ST, SEATTLE WA	\$ 500
GLENDALE HEATING & A/C, DES MOINES MEMORIAL DR, SEATTLE WA	\$ 500
HADDAD, JOSEPH, NE 4TH PL, SAMMAMISH WA	\$ 500
INDUSTRIAL EQUIP SOLUTS INC, OLD NACHES HWY, NACHES WA	\$ 500
IRONFIRE DESIGN & FABRICATION, NE 126TH PL, KIRKLAND WA	\$ 500
LINDSAY, HUNAN EUSTACE, NW 39TH ST, SEATTLE WA	\$ 500
MARSHALL, STEVEN M, E 61ST ST, TACOMA WA	\$ 500
PINNACLE HEATING & AIR COND, SW 110TH ST, SEATTLE WA	\$ 500
ROBERT S SEARLE HM IMPROVEMENT, SUNNYSIDE AVE NE, SEATTLE WA	\$ 500
SATELLITE CONNECTION, 180TH PL SW, LYNNWOOD WA	\$ 500
SEFNCO INC, PO BOX, BUCKLEY WA	\$ 500
SOUND CHOICE BLDRS PLB & HTG, CRESCENT VALLEY DR NW, GIG HARBOR WA	\$ 500
SPECTRUM CONSTRUCTION SRVS INC, P O BOX, BELLEVUE WA	\$ 500
TACOMA COMMERCIAL MAINT INC, STEILACOOM BLVD SW, LAKEWOOD WA	\$ 500
TOTAL ENERGY SERVICES LLC, HARRISON ST, SEATTLE WA	\$ 500
UNIQUE RESTORATION ENT LLC, 33RD AVE, SEATTLE WA	\$ 500
<b>Region 3 – Pierce &amp; Kitsap County &amp; Olympic Peninsula</b>	
COURT, THOMAS L, 4TH AVE NW, PUYALLUP WA	\$ 500
COURTS, LENNY ALANE, 19TH AVE E, TACOMA WA	\$ 500
KONECRANES, INC, S 216TH ST, KENT WA	\$ 500
LARGE CO LLC, THE, HUDSON AVE NE, POULSBO WA	\$ 500

**ELECTRICAL CURRENTS****October 2005**

LOFALL WELL DRILLING, NW LOFALL RD, POULSBO WA	\$ 500
NORTHWEST COMMERCIAL SERVICE, PO BOX, RENTON WA	\$ 500
ORCA PACIFIC INC, S 200TH, SEATAC WA	\$ 500
SECURITY ONE INC, BRIDGEPORT WAY SW, LAKEWOOD WA	\$ 500
SPENCE, ROBERT L, BERTHA, BREMERTON WA	\$ 1500
<b>Region 4 – Southwest Washington</b>	
ADAMS, KEITH H, WEST LOCUST AVE, CENTRALIA WA	\$ 500
AIR PRO HEATING & COOLING, DOUGLAS ST, LONGVIEW WA	\$ 1000
ALL STAR RENT A FENCE, PO BOX, NAPA VINE WA	\$ 500
CALVIN BRITTON BUILDER, STEILACOOM RD SE, OLYMPIA WA	\$ 500
DOYLE BROTHERS CONST INC, PO BOX, ELMA WA	\$ 500
FONTENOT, ANDREA, STATE AVE NE, OLYMPIA WA	\$ 500
HARMON, CURT, 136TH E, PUYALLUP WA	\$ 500
HOPKINS, JAMES, BOX, WINDERMERE BC	\$ 500
KARDEL, NICHOLAS R, SCHOOLHOUSE RD, FRIDAY HARBOR WA	\$ 500
METRO OVERHEAD DOOR INC, N LOMBARD ST, PORTLAND OR	\$ 500
NOLL, DONALD, PO BOX, BELFAIR WA	\$ 500
O'MEARA, WILLIAM FRANKLIN, NE 87TH, SEATTLE WA	\$ 500
PORTLAND MECHANICAL CONT INC, SE HANNA HARVESTER DR, MILWAUKIE OR	\$ 500
RAINIER LIGHTING/ELECT SUPPLY, PO BOX, LAKEWOOD WA	\$ 500
UNTD FIRE HLTH/SFTY EQ CO INC, NE MARTIN L KING JR BLVD, PORTLAND OR	\$ 500
<b>Region 5 – Central Washington</b>	
BOUFFIOU, GARY C, 25TH, KENNEWICK WA	\$ 500
GREENSIDE, DUSTIN JHON, W FREMONT AVE, SELAH WA	\$ 500
HORSE HEAVEN HTG & COOLING, S WILGUS RD, PROSSER WA	\$ 500
STOKES, ANTHONY J, WAPATO LK RD, MANSON WA	\$ 500
VASQUEZ, JOSE, WEST CENTENNIAL, ZILLAH WA	\$ 500
<b>Region 6 – Eastern Washington</b>	
ANDERSON, GARY D, W WESTBOW BLVD, SPOKANE WA	\$ 500
BRITTON, JOHN, AZTEC LANE, CHENEY WA	\$ 500
BYUS, CHRIS, PO BOX, SPOKANE WA	\$ 500
COUGAR MECHANICAL, INC, PO BOX, SPOKANE WA	\$ 1000
DAN REED CONSTRUCTION INC, LINDEN DR, LEWISTON ID	\$ 500
DICKERSON PUMP & IRRIG CO INC, E BROADWAY, SPOKANE WA	\$ 500
GOODMAN, JEFF W, E BROADWAY, SPOKANE WA	\$ 500
GRANGE SUPPLY CO INC/PULLMAN, NW STATE ST, PULLMAN WA	\$ 500
OLIVER, JEREMY J, S CHENEY SPOKANE RD, SPOKANE WA	\$ 500
PHONE GUY, THE, PO BOX, MOSCOW ID	\$ 500
SEVEN-UP BOTTLING CO SPOKANE, E MISSION, SPOKANE WA	\$ 500
VALLEY GLASS, S PINES, SPOKANE WA	\$ 500
WAYNE'S REFRIGERATION, S MILL, COLFAX WA	\$ 500
<b>Central Office</b>	
AURORA PLUMBING & ELECTRIC, AURORA AVE N, SEATTLE WA	\$ 500
BLACKFORD, CHRISTOPHER H, 35TH AVE W, LYNNWOOD WA	\$ 500
BLAKEY, KEITH, PO BOX, CLINTON WA	\$ 500
EVANS, ROBERT M, MERIDIAN E, MILTON WA	\$ 1500
HINES INTERESTS L P, 112TH AVE NE, BELLEVUE WA	\$ 500
NEON & ELECTRIC SIGNS LLC, 15TH AVE W, SEATTLE WA	\$ 500
OLSEN, BRETT, PO BOX, AUBURN WA	\$ 3000
TECTON CORPORATION, INTERURBAN AVE S, TUKWILA WA	\$ 2000
TELSERVICE NORTHWEST LLC, 172ND AVE SE, AUBURN WA	\$ 820
<b>Violation – Hiring Uncertified Electricians</b>	
<b>Region 1 – North Puget Sound</b>	
ALLIANCE INTEGRATED SYSTEMS IN, HARWIN, HOUSTON TX	\$ 100
J CAT CONSTRUCTION, LOVES HILL DR, SULTAN WA	\$ 100
L WIBBLEMAN COMPANY, 132ND ST, SNOHOMISH WA	\$ 100
RALPHS WATER PUMP SERV INC, 24TH PL NE, SNOHOMISH WA	\$ 100
<b>Region 2 – King County</b>	
AUDIO PLUS LLC, N 30TH ST, RENTON WA	\$ 100
ESP TECHNOLOGIES, SW BURNS WAY, WILSONVILLE OR	\$ 200
UNIQUE RESTORATION ENT LLC, 33RD AVE, SEATTLE WA	\$ 100
<b>Region 3 – Pierce &amp; Kitsap County &amp; Olympic Peninsula</b>	
NORTHWEST COMMERCIAL SERVICE, PO BOX, RENTON WA	\$ 100
ORCA PACIFIC INC, S 200TH, SEATAC WA	\$ 100
<b>Region 4 – Southwest Washington</b>	
ADT SECURITY SERVICES INC, NORTHCREEK PKWY N, BOTHELL WA	\$ 500
BLUE MOUNTAIN ELECTRIC, BURRELL AVE, LEWISTON ID	\$ 100
CHRISTENSON VELAGIO INC, NW THURMAN ST, PORTLAND OR	\$ 100
VANGUARD WINDOW & ENTRY SYSTEM, PO BOX, SPOKANE WA	\$ 100
WILCOX ELECTRIC INC, WASHINGTON ST, VANCOUVER WA	\$ 100

Electrical Section Internet Address: [www.Lni.wa.gov/TradesLicensing/electrical](http://www.Lni.wa.gov/TradesLicensing/electrical)

Page 4 of 8

This document is available in alternative formats to accommodate persons with disabilities. For assistance, call 1-800-547-8367.  
(TDD/TTY users, please call 360-902-5797.) Labor and Industries is an Equal Opportunity employer.



## ELECTRICAL CURRENTS

October 2005

<b>Region 5 – Central Washington</b>	
ALLSTAR ELECTRIC INC, W LINCOLN, YAKIMA WA	\$ 100
<b>Region 6 – Eastern Washington</b>	
DICKERSON PUMP & IRRIG CO INC, E BROADWAY, SPOKANE WA	\$ 100
ENERGY INDUSTRIES (WA) LLC, 140TH AVE NE, BELLEVUE WA	\$ 100
GRANGE SUPPLY CO INC/PULLMAN, NW STATE ST, PULLMAN WA	\$ 100
SEVEN-UP BOTTLING CO SPOKANE, E MISSION, SPOKANE WA	\$ 100
STREETFIRE ENGINEERING SEC SVC, N HAYE, NEWMAN LAKE WA	\$ 600
VALLEY GLASS, S PINES, SPOKANE WA	\$ 100
YOUNG ELECTRIC SIGN CO, E 41ST ST, GARDEN CITY ID	\$ 100
<b>Central Office</b>	
ELMECCO INC, ROOSEVELT WAY NE, SEATTLE WA	\$ 200
LAD IRRIGATION CO INC, PO BOX, MOSES LAKE WA	\$ 425
MCCOY ELECTRIC & COMM INC, N MCNEELY ST, BUCKLEY WA	\$ 50
PACIFIC AIR SYSTEMS, SD 112TH ST, TACOMA WA	\$ 700
PUYALLUP HEATING & A/C, 15TH ST SE, PUYALLUP WA	\$ 300
WENATCHEE ALARM/SEC SRVCS INC, N WENATCHEE AVE, WENATCHEE WA	\$ 250
<b>Violation – Uncertified Electrician</b>	
<b>Region 1 – North Puget Sound</b>	
AHO, WAYNE, PO BOX, GARDEN VALLEY ID	\$ 250
BOWER, MICHAEL LEE, 16TH ST NE, LAKE STEVENS WA	\$ 250
BRADFORD, MARCUS D, PO BOX, SEDRO WOOLLEY WA	\$ 250
BROCKHAUS, DOUGLAS ALAN, 181ST AVE SE, SNOHOMISH WA	\$ 250
GRIPP, PAUL, S 4TH AVE, EVERETT WA	\$ 2000
HARE, JOHN, 23RD AVE WEST, BRADENTON FL	\$ 250
MARIN, RICHARD JR, SUTTON DR, EVERSON WA	\$ 250
MARTEL, DANIEL DENNIS, BAILER HILL RD, FRIDAY HARBOR WA	\$ 250
MESNEAK, ROBERT M, COLLEENS LN SE, MONROE WA	\$ 250
RAMEY, SHANNON D, 84TH ST NE, MARYSVILLE WA	\$ 250
REED, HERBERT E, PHINNEY AVE N, SEATTLE WA	\$ 250
REPP, THOMAS J, 24TH PL NE, SNOHOMISH WA	\$ 250
SIMONSON, JEFFREY A, NE 12TH, BELLEVUE WA	\$ 250
STRICKLAND, JOE, PO BOX, MONROE WA	\$ 250
TALLEY, ALBERT C, LOVES HILL RD, SULTAN WA	\$ 250
WEBB, BRIAN, 44TH AVE NW, STANWOOD WA	\$ 250
<b>Region 2 – King County</b>	
BAYNE, MARC, 440TH PL SE, NORTH BEND WA	\$ 250
BOSLEY, DERRICK CLAYTON, SEWARD PARK AVE S , SEATTLE WA	\$ 250
BUENO, JAVIER, 112TH ST E, BUCKLEY WA	\$ 250
COOK, JOEL S, PO BOX, MCKENNA WA	\$ 250
ELLIS, DAVID, SIDNEY RD SW, PORT ORCHARD WA	\$ 250
KNAPPERT, JEREMY, BOTHELL EVERETT HWY, BOTHELL WA	\$ 250
LORS, MARIN, 12TH PL S, BURIEN WA	\$ 250
SCHWINCK, RYAN DEAN, SW 331ST PL, FEDERAL WAY WA	\$ 250
WISE, ERIC NATHAN, SR 92, LAKE STEVENS WA	\$ 250
<b>Region 3 – Pierce &amp; Kitsap County &amp; Olympic Peninsula</b>	
CAMPBELL, SCOTT, SOUTH MASON AVE, TACOMA WA	\$ 250
COURT, THOMAS L, 4TH AVE NW, PUYALLUP WA	\$ 250
COURTS, THOMAS L, FOREST RIM CT N, PUYALLUP WA	\$ 500
EARL, NATHAN J, SW 16TH PL, FEDERAL WAY WA	\$ 250
RICHARDSON, JEFFREY M, FRENDR LN, SEABECK WA	\$ 250
<b>Region 4 – Southwest Washington</b>	
ARVIN, JEFFREY L, NE HOOD ST, HILLSBORO OR	\$ 250
BARCKLEY, MICHAEL JORDON, TRAILS END DR SE, OLYMPIA WA	\$ 250
BRITTON, CALVIN, STEILACOOM RD SE, OLYMPIA WA	\$ 250
BROWN, AARON, E REID CT, LA CENTER WA	\$ 250
FONTENOT, ANDREA, STATE AVE NE, OLYMPIA WA	\$ 250
FOSS, DON, PO BOX, NAPAVINE WA	\$ 250
HARMON, CURT, 136TH E, PUYALLUP WA	\$ 250
HOPKINS, JAMES, PO BOX, WINDERMERE BC	\$ 250
JARVIS, KEN, 116TH AVE CT E, PUYALLUP WA	\$ 250
JINES, STEVEN, N 3RD ST, ELMA WA	\$ 250
KARDEL, NICHOLAS R, SCHOOLHOUSE RD, FRIDAY HARBOR WA	\$ 100
NOLL, DONALD, PO BOX, BELFAIR WA	\$ 250
PATTISON, CORY, FLORIDA ST, LONGVIEW WA	\$ 250
SCHOSTEK, MICHAEL P, SE MACDUFFEE CT, PORTLAND OR	\$ 250
TRACEWELL, THOMAS, PO BOX, LAKEWOOD WA	\$ 250
WOOLEY, MICHAEL A, SE STEELE, PORTLAND OR	\$ 250
<b>Region 5 – Central Washington</b>	
RAMOS, ISRAEL J, PO BOX, ZILLAH WA	\$ 250

Electrical Section Internet Address: [www.Lni.wa.gov/TradesLicensing/electrical](http://www.Lni.wa.gov/TradesLicensing/electrical)

Page 5 of 8

This document is available in alternative formats to accommodate persons with disabilities. For assistance, call 1-800-547-8367.  
(TDD/TTY users, please call 360-902-5797.) Labor and Industries is an Equal Opportunity employer.

## ELECTRICAL CURRENTS

October 2005

### Region 6 – Eastern Washington

ADAMS, BILL, E WINGER, MEAD WA	\$ 250
ATHA, RICH, FLAGSTAFF, RATHDRUM ID	\$ 250
BOYD, CHAD, STALEY RD, PULLMAN WA	\$ 250
NUXOLL, JOSEPH C, P O BOX , COTTONWOOD ID	\$ 250
OLIVER, JEREMY J, S CHENEY SPOKANE RD, SPOKANE WA	\$ 250
PELKEY, RANDY S, N ISABELLA, COEUR D'ALENE ID	\$ 250
SOUTHWICK, KEVAN E, N RODENBOUGH LN, SEATTLE WA	\$ 250

### Central Office

BAUGHN, NICHOLAS, 159TH ST, TACOMA WA	\$ 125
BLAKEY, KEITH, PO BOX, CLINTON WA	\$ 250
BURTON, MICHAEL W, PO BOX, VANCOUVER WA	\$ 500
CARRIER, BRINT J, W SKAGIT, KENNEWICK WA	\$ 200
COLLINS, SHAUN, 16TH AVE SE, MILL CREEK WA	\$ 100
DANIELS, GERALD, 172ND AVE. SE, AUBURN WA	\$ 1250
DAVIS, WILLIE, 48TH ST, UNIVERSITY PLACE WA	\$ 250
DELANO, STANLEY, 70TH AVE WEST, TACOMA WA	\$ 250
HANSON, TODD R, PO BOX, VANCOUVER WA	\$ 500
HIETER, MATT L, PO BOX, VANCOUVER WA	\$ 500
HUSTON, RICKEY L, KELLY RD NE, CARNATION WA	\$ 250
JONES, KEVIN G, KNOWLES RD, WENATCHEE WA	\$ 250
KELLY, SEAN T, NE 10 WAY, VANCOUVER WA	\$ 100
MELVILLE, DEAN A, 111TH ST S, TACOMA WA	\$ 500
MUNZ, KRISTOPHER R, 159TH ST CT E, TACOMA WA	\$ 100
OWENS, JOHN C, PO BOX, VANCOUVER WA	\$ 500
PRATT, SHAWN, NE 30TH AVE, SEATTLE WA	\$ 200
ROBERTS, ANTHONY, AMHERST ST, FIRCREST WA	\$ 625
RODEBERG, JASON, S JUNETT ST, TACOMA WA	\$ 125
SEE BECK, BRIAN, S 39TH ST, TACOMA WA	\$ 125
SHERMAN, MATTHEW, 92ND ST E, SUMNER WA	\$ 100
SMITH, MICHAEL D, 122ND ST E, PUYALLUP WA	\$ 125
SMITH, MISANO A, 121ST ST E, PUYALLUP WA	\$ 750
SPENCER, DAVID D, PO BOX, VANCOUVER WA	\$ 500
TENNYSON, JASON, 10TH AVE S, SPANAWAY WA	\$ 50
TOWNSELL, JERRY, PO BOX, VANCOUVER WA	\$ 500
YOUNG, TOM I, 68TH AVE CT E, PUYALLUP WA	\$ 750
ZABROCKI, DAVID J, N WENATCHEE AVE, WENATCHEE WA	\$ 250

### Violation – No Electrical Work Permit

#### Region 1 – North Puget Sound

AGAPE ELECTRIC INC, 200TH ST SE, SNOHOMISH WA	\$ 250
ALL AMERICAN HEATING INC, 180TH ST SE, SNOHOMISH WA	\$ 1000
ALLIANCE INTEGRATED SYSTEMS IN, HARWIN, HOUSTON TX	\$ 250
ASH ENTERPRISES, 23RD AVE WEST, BRADENTON FL	\$ 250
ASSOCIATED HTG/SHEET METAL INC, PO BOX, MONROE WA	\$ 2000
BAER, JON R, BOTHELL EVERETT HWY, BOTHELL WA	\$ 250
BROCKHAUS, DOUGLAS ALAN, 181ST AVE SE, SNOHOMISH WA	\$ 250
BROOK & COMPANY, 218TH ST SW, EDMONDS WA	\$ 250
BRUCE SMITH HTG & COOLING INC, 44TH AVE W, LYNNWOOD WA	\$ 1000
BURGLAR STOP USA, H ST, BLAINE WA	\$ 250
CLEMENTS, JOE, 78TH PL W, EDMONDS WA	\$ 250
CREATIVE ELECTRIC, P O BOX, MOUNT VERNON WA	\$ 250
DAY & NITE PLUMBING & HTG INC, 13TH AVE W, LYNNWOOD WA	\$ 1000
DECO ELECTRIC INC, 149TH PL SE, BELLEVUE WA	\$ 250
DONNELSON ELECTRIC INC, S OLYMPIC, ARLINGTON WA	\$ 250
EAST SERVICE ELECTRIC INC, 158TH AVE NE, WOODINVILLE WA	\$ 250
FERRIN ELECTRIC INC, PO BOX, MILL CREEK WA	\$ 1000
KAMINSKI, PAT, PO BOX, ARLINGTON WA	\$ 250
KERN, DAN, 230TH ST SE, MONROE WA	\$ 250
KIM, KWAN, 179TH ST SW, LYNNWOOD WA	\$ 500
KNODEL, KEVIN, 69TH AVE NE, MARYSVILLE WA	\$ 250
LINDAS 4 PAW SPA, SUNNYSIDE BLVD, EVERETT WA	\$ 250
LONDON CONTROLS INC, ROOSEVELT WAY NE, SEATTLE WA	\$ 250
MARXEN, THOMAS, E LK SAMMAMISH SHR LN NE, SAMMAMISH WA	\$ 250
MERIT MECHANICAL INC, 153RD AVE NE, REDMOND WA	\$ 1000
MESNEAK, ROBERT M, COLLEENS LN SE, MONROE WA	\$ 250
MORRISON HOME INNOVATION LLC, 206TH ST SW, LYNNWOOD WA	\$ 250
OHLSEN, LEROY, FIR RD, GOLD BAR WA	\$ 50
PACIFIC COMMUNICATION EQUIP IN, 17TH AVE E, SEATTLE WA	\$ 250
PIGNATARO, JANEEN, 48TH ST SE, SNOHOMISH WA	\$ 500
PROTECTION & COMMUNICATNS INC, 40TH AVE W, LYNNWOOD WA	\$ 1250

Electrical Section Internet Address: [www.Lni.wa.gov/TradesLicensing/electrical](http://www.Lni.wa.gov/TradesLicensing/electrical)

Page 6 of 8

**ELECTRICAL CURRENTS****October 2005**

RALPHS WATER PUMP SERV INC, 24TH PL NE, SNOHOMISH WA	\$ 250
SEAHURST ELECTRIC INC, SMITH AVE, EVERETT WA	\$ 250
SERVICE ELECTRIC CO INC, PO BOX, SNOHOMISH WA	\$ 250
SHARP, DAVID, 222ND ST SW, EDMONDS WA	\$ 250
SIGN FACTORY INC, THE, 8TH ST, KIRKLAND WA	\$ 1000
SMITH, ERNIE, FLORENCE ACRES RD, MONROE WA	\$ 250
SMITH, JAMES R, HWY 9, MOUNT VERNON WA	\$ 250
SNOHOMISH ELECTRIC INC, PO BOX, SNOHOMISH WA	\$ 500
SUPERIOR SERVICE ELECTRIC LLC, 80TH DR NE, MARYSVILLE WA	\$ 250
SYSTEM SOLUTIONS LLC, PO BOX, RENTON WA	\$ 250
WESTWOOD EXECUTIVE HOMES LTD, PO BOX, LYNNWOOD WA	\$ 3500
WYATT ELECTRIC, 61ST DR. NE, MARYSVILLE WA	\$ 250
<b>Region 2 – King County</b>	
A & C ELECTRIC, 281ST AVE SE, ENUMCLAW WA	\$ 250
ABDON, FELIX E, 47TH AVE E, FIFE WA	\$ 250
ACCO ENGINEERED SYSTEMS INC, SAN FERNANDO RD, GLENDALE CA	\$ 250
ANDREASEN, LEE, SE 164TH ST, RENTON WA	\$ 250
B B & T SIGN SERVICES, BOTHELL-EVERETT HWY, MILL CREEK WA	\$ 1000
BAYNE CONSTRUCTION SERVICES, 440TH PL SE, NORTH BEND WA	\$ 250
BOOKTER ELECTRIC, PO BOX, FALL CITY WA	\$ 250
CHRISTENSON TECHNOLOGY SVC INC, NW THURMAN ST, PORTLAND OR	\$ 1000
COMPASS MECHANICAL LLC, 227TH AVE SE, MONROE WA	\$ 1000
COMPUTER SYSTEMS SERVICE CORP, INDUSTRY DRIVE, SEATTLE WA	\$ 250
D W CLOSE CO INC, S 131ST PL, SEATTLE WA	\$ 250
GAS APPLIANCE SERVICE, NW 45TH, SEATTLE WA	\$ 250
GUARDIAN SECURITY SYSTEMS INC, 1ST AVE S, SEATTLE WA	\$ 1000
I FIVE SIGNS INC, COMMERCE PL DR NE, LACEY WA	\$ 250
JLE ENTERPRISES, NE VANCOUVER WAY, PORTLAND OR	\$ 250
JONES, MARK, SE 210TH ST, RENTON WA	\$ 250
LANDER ELECTRIC SERVICE LLC, NE 16 ST, BELLEVUE WA	\$ 250
LOH'S ELECTRIC INC, WESTWOOD PL NE, SEATTLE WA	\$ 250
MADDEN, RODNEY S, 27TH AVE NW, SHORELINE WA	\$ 250
MADSEN ELECTRIC, S ORCHARD ST, TACOMA WA	\$ 250
MANCHIK, OLEG, 54TH AVE S, AUBURN WA	\$ 250
MARSHALL, STEVEN M, E 61ST ST, TACOMA WA	\$ 250
MCMULLEN ELECTRIC INC, STEWART W, PUYALLUP WA	\$ 250
OREGON AIRE INC, NE 33RD DRIVE, PORTLAND OR	\$ 250
PERFORMANCE HTG & A/C INC, S 180TH, KENT WA	\$ 250
PINNACLE HEATING & AIR COND, SW 110TH ST, SEATTLE WA	\$ 250
PRIME ELECTRIC INC, SE 26TH ST, BELLEVUE WA	\$ 2000
PYRAMID ELECTRIC, 107TH PL W, EDMONDS WA	\$ 250
S & A ELECTRIC INC, 67TH AVE CT NW, GIG HARBOR WA	\$ 250
SEFNCO INC, PO BOX, BUCKLEY WA	\$ 1000
SIGN-TECH ELECTRIC LLC, NINTH AVENUE S, FEDERAL WAY WA	\$ 250
SUPPRESSION SYSTEMS INC, PACIFIC HWY E, TACOMA WA	\$ 1000
SUTHERLAND SECURITY INC, TANWAX CT E, EATONVILLE WA	\$ 250
TARRANT ELECTRIC COMPANY, ASHWORTH AVE N, SEATTLE WA	\$ 250
TRAN, YEN-NGA T, S 121ST ST, SEATTLE WA	\$ 250
WARNICK, RUSS, SE 156TH ST, ISSAQUAH WA	\$ 250
WATTS ELECTRIC SERVICE INC, PO BOX, SEATTLE WA	\$ 250
<b>Region 3 – Pierce &amp; Kitsap County &amp; Olympic Peninsula</b>	
ANGELES ELECTRIC INC, E 1ST ST, PORT ANGELES WA	\$ 1000
BIRD ELECTRIC CORP, STOTTLEMEYER RD NE, POULSBO WA	\$ 250
BLAZE ELECTRIC & SERVICE CO, PT FOSDICK DR NW, GIG HARBOR WA	\$ 500
COURTS, LENNY ALANE, 19TH AVE E, TACOMA WA	\$ 250
DICKS HEATING & A/C INC, 45TH ST E, SUMNER WA	\$ 1000
ELECTRIC SERVICE INC, DRAPER VALLEY RD, PORT ANGELES WA	\$ 1000
MEIER AND COMPANY INC, 132ND ST EAST, PUYALLUP WA	\$ 250
NORTHWEST COMMERCIAL SERVICE, PO BOX, RENTON WA	\$ 250
ORCA PACIFIC INC, S 200TH, SEATAC WA	\$ 250
POWER DESIGNS INC, 169TH ST S, SPANAWAY WA	\$ 1000
QUALITY HTG & A/C LLC, SILVERDALE WAY, SILVERDALE WA	\$ 250
SECURITY SRVCS NORTHWEST INC, PO BOX, PORT TOWNSEND WA	\$ 1000
<b>Region 4 – Southwest Washington</b>	
AIR PRO HEATING & COOLING, DOUGLAS ST, LONGVIEW WA	\$ 500
BLAIRCO INC, MACARTHUR BLVD, VANCOUVER WA	\$ 2000
CENTRAL ELECTRIC, SW RIVERSIDE DR, CHEHALIS WA	\$ 250
CHRISTENSON VELAGIO INC, NW THURMAN ST, PORTLAND OR	\$ 250
ELECTRIC SERVICE INC, DRAPER VALLEY RD, PORT ANGELES WA	\$ 250
HIGHLIGHT SIGN CORP, PO BOX, TIGARD OR	\$ 1000

**ELECTRICAL CURRENTS****October 2005**

HOPKINS, JAMES, BOX, WINDERMERE BC	\$ 250
HURSEY, JOHN, LIBBY RD NE, OLYMPIA WA	\$ 250
NEWLINE ELECTRIC LLP, E B STREET, SHELTON WA	\$ 250
OLYMPIA ELECTRIC CO INC, PO BOX, OLYMPIA WA	\$ 250
PERFECT CLIMATE OF OREGON INC, PO BOX, GRESHAM OR	\$ 250
WELL DONE ELECTRIC CO, SE ROYER RD, CLACKAMAS OR	\$ 2000
WILCOX ELECTRIC INC, WASHINGTON ST, VANCOUVER WA	\$ 250
<b>Region 5 – Central Washington</b>	
ABSCO ALARMS INC, 196TH SW, EDMONDS WA	\$ 250
ALLSTAR ELECTRIC INC, W LINCOLN, YAKIMA WA	\$ 250
ARONSON SECURITY GROUP INC, DEXTER AVE N, SEATTLE WA	\$ 1000
ARVID & KUYKENDALL ELECTRICAL, MAIN ST, GRAND COULEE WA	\$ 2000
DIVCO INCORPORATED, N MADEIRA ST, SPOKANE WA	\$ 250
RAINVILLE, BILL, LUM ROAD, CLE ELUM WA	\$ 250
T & M HEATING & REFRIG INC, S 5TH AVE, UNION GAP WA	\$ 250
VALLEY REFRIGERATION & ELECT, ZILLAH HEIGHTS RD, ZILLAH WA	\$ 250
<b>Region 6 – Eastern Washington</b>	
ANDERSON, GARY D, W WESTBOW BLVD, SPOKANE WA	\$ 250
ARONSON SECURITY GROUP INC, DEXTER AVE N, SEATTLE WA	\$ 2000
BLUE MOUNTAIN ELECTRIC, BURRELL AVE, LEWISTON ID	\$ 250
DICKERSON PUMP & IRRIG CO INC, E BROADWAY, SPOKANE WA	\$ 250
FLYNN'S ELECTRIC, PO BOX, POMEROY WA	\$ 250
GOODMAN, JEFF W, E BROADWAY, SPOKANE WA	\$ 250
GREG'S ELECTRICAL LLC, PO BOX, COLFAX WA	\$ 750
GUARDIAN PLBG & HTG INC, 16TH AVE, LEWISTON ID	\$ 250
NORCO HEATING & AIR COND INC, TRENT E, SPOKANE WA	\$ 250
RAINBOW ELECTRIC INC, N NAPA, SPOKANE WA	\$ 1000
SHERIDAN ELECTRIC INC, W TEAL AVE, SPOKANE WA	\$ 1000
VANGUARD WINDOW & ENTRY SYSTEM, PO BOX, SPOKANE WA	\$ 250
YOUNG ELECTRIC SIGN CO, E 41ST ST, GARDEN CITY ID	\$ 250
<b>Central Office</b>	
BENSHOOF, WILLIAM, DRIFTWOOD DR, CLINTON WA	\$ 250
BLAKEY, KEITH, PO BOX, CLINTON WA	\$ 250
CLARK PUD, PO BOX, VANCOUVER WA	\$ 2250
CLAUSEN, DOUG, EAST MCDOWELL, MESA AZ	\$ 250
EVERGREEN STATE ELECTRIC INC, PO BOX, ORTING WA	\$ 250
HOME ELECTRONICS INC, 87TH AVE CT E, PUYALLUP WA	\$ 750
HUNTER-DAVISSON INC, SE PERSHING ST, PORTLAND OR	\$ 250
ISLAND HEATING & A/C INC, W INDUSTRIAL AVE, OAK HARBOR WA	\$ 250
LIGHTHOUSE SONSHINE INC, TRIGG ROAD, FERNDALE WA	\$ 250
ROMERO, ANDREW, BOTHELL WAY NE, BOTHELL WA	\$ 250
SCOVILLE, TED, NE 26TH, BELLEVUE WA	\$ 250